



8165 E. Kaiser Blvd. Anaheim, CA 92808
www.lightlaboratory.com

Photometric Test Report

IES FLOOD REPORT

PHOTOMETRIC FILENAME : L052510773.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L052510773
[TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)
[ISSUE DATE] 6/4/2025
[MANUFAC] Vista Professional Outdoor Lighting
[LUMCAT] 1142-NS-RGBW-(R)
[LUMINAIRE] 1142 Narrow Spot Red Output
[BALLASTCAT] ELDOLED PW50U-M4Z0X1
[OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
[MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
[MORE] Base file 80239581-25
[INPUT] 120VAC
[TEST PROCEDURE] IESNA:LM-79-19

Note: Candela values converted from Type-C to Type-B

CHARACTERISTICS

NEMA Type	7 H x 6 V
Maximum Candela	359
Maximum Candela Angle	-5H 0V
Horizontal Beam Angle (50%)	90.5
Vertical Beam Angle (50%)	29.2
Horizontal Field Angle (10%)	138.5
Vertical Field Angle (10%)	122.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	163
Beam Efficiency	N.A.
Field Lumens	354
Field Efficiency	N.A.
Spill Lumens	42
Luminaire Lumens	395
Total Efficiency	N.A.
Total Luminaire Watts	14.87
Ballast Factor	1.00

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	1	85	0
75	17	75	15
65	50	65	31
55	104	55	44
47.5	160	47.5	50
42.5	203	42.5	54
37.5	244	37.5	58
33	276	33	64
29	300	29	74
25.5	318	25.5	86
22.5	329	22.5	101
19.5	338	19.5	124
17	344	17	149
15	348	15	173
13	351	13	205
11	354	11	238
9	356	9	271
7	357	7	304
5	359	5	332
3	359	3	350
1	359	1	357
0	359	0	359
-1	359	-1	357
-3	359	-3	350
-5	359	-5	332
-7	357	-7	304
-9	356	-9	271
-11	354	-11	238
-13	351	-13	205
-15	348	-15	173
-17	344	-17	149
-19.5	338	-19.5	124
-22.5	329	-22.5	101
-25.5	318	-25.5	86
-29	300	-29	74
-33	276	-33	64
-37.5	244	-37.5	58
-42.5	203	-42.5	54
-47.5	160	-47.5	50
-55	104	-55	44
-65	50	-65	31
-75	17	-75	15
-85	1	-85	0
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 359

Beam Edge = 179.5 Cd (50% of Max.)

Field Edge = 35.9 Cd (10% of Max.)

* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>-90.0</u>	<u>-85.0</u>	<u>-75.0</u>	<u>-65.0</u>	<u>-55.0</u>	<u>-47.5</u>	<u>-42.5</u>	<u>-37.5</u>	<u>-33.0</u>	<u>-29.0</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
75.0	0	0	1	1	3	4	5	7	8	9
65.0	0	0	2	5	9	12	15	17	20	22
55.0	0	0	4	10	17	21	24	27	30	32
47.5	0	0	6	16	24	28	31	34	37 *	39 *
42.5	0	0	8	20	29	34	36 *	39 *	42 *	44 *
37.5	0	1	9	24	35	40 *	43 *	45 *	47 *	50 *
33.0	0	1	10	28	42 *	48 *	50 *	53 *	54 *	57 *
29.0	0	1	12	32	49 *	56 *	59 *	62 *	64 *	66 *
25.5	0	1	13	35	56 *	66 *	69 *	72 *	75 *	77 *
22.5	0	1	14	38 *	63 *	75 *	81 *	84 *	87 *	90 *
19.5	0	1	14	40 *	70 *	87 *	94 *	100 *	104 *	108 *
17.0	0	1	15	42 *	76 *	97 *	108 *	115 *	121 *	127 *
15.0	0	1	15	44 *	81 *	107 *	120 *	130 *	139 *	145 *
13.0	0	1	15	46 *	86 *	116 *	133 *	147 *	157 *	167 *
11.0	0	1	16	47 *	90 *	126 *	147 *	165 *	179 *	191 *
9.0	0	1	16	48 *	94 *	135 *	161 *	185 *	203 *	218 *
7.0	0	1	16	49 *	98 *	144 *	174 *	203 *	227 *	245 *
5.0	0	1	17	49 *	100 *	151 *	187 *	220 *	247 *	269 *
3.0	0	1	17	50 *	102 *	156 *	195 *	233 *	265 *	288 *
1.0	0	1	17	50 *	103 *	159 *	200 *	241 *	273 *	297 *
0.0	0	1	17	50 *	104 *	160 *	203 *	244 *	276 *	300 *
-1.0	0	1	17	50 *	103 *	159 *	200 *	241 *	273 *	297 *
-3.0	0	1	17	50 *	102 *	156 *	195 *	233 *	265 *	288 *
-5.0	0	1	17	49 *	100 *	151 *	187 *	220 *	247 *	269 *
-7.0	0	1	16	49 *	98 *	144 *	174 *	203 *	227 *	245 *
-9.0	0	1	16	48 *	94 *	135 *	161 *	185 *	203 *	218 *
-11.0	0	1	16	47 *	90 *	126 *	147 *	165 *	179 *	191 *
-13.0	0	1	15	46 *	86 *	116 *	133 *	147 *	157 *	167 *
-15.0	0	1	15	44 *	81 *	107 *	120 *	130 *	139 *	145 *
-17.0	0	1	15	42 *	76 *	97 *	108 *	115 *	121 *	127 *
-19.5	0	1	14	40 *	70 *	87 *	94 *	100 *	104 *	108 *
-22.5	0	1	14	38 *	63 *	75 *	81 *	84 *	87 *	90 *
-25.5	0	1	13	35	56 *	66 *	69 *	72 *	75 *	77 *
-29.0	0	1	12	32	49 *	56 *	59 *	62 *	64 *	66 *
-33.0	0	1	10	28	42 *	48 *	50 *	53 *	54 *	57 *
-37.5	0	1	9	24	35	40 *	43 *	45 *	47 *	50 *
-42.5	0	0	8	20	29	34	36 *	39 *	42 *	44 *
-47.5	0	0	6	16	24	28	31	34	37 *	39 *
-55.0	0	0	4	10	17	21	24	27	30	32
-65.0	0	0	2	5	9	12	15	17	20	22
-75.0	0	0	1	1	3	4	5	7	8	9
-85.0	0	0	0	0	0	0	0	0	0	0
-90.0	0	0	0	0	0	0	0	0	0	0

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CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	<u>-25.5</u>	<u>-22.5</u>	<u>-19.5</u>	<u>-17.0</u>	<u>-15.0</u>	<u>-13.0</u>	<u>-11.0</u>	<u>-9.0</u>	<u>-7.0</u>	<u>-5.0</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
75.0	10	11	12	12	13	13	14	14	14	14
65.0	23	25	26	27	28	29	30	30	31	31
55.0	35	37 *	39 *	40 *	40 *	41 *	42 *	42 *	43 *	44 *
47.5	42 *	43 *	45 *	46 *	47 *	47 *	48 *	49 *	50 *	50 *
42.5	46 *	48 *	49 *	50 *	50 *	51 *	52 *	52 *	53 *	53 *
37.5	51 *	53 *	54 *	55 *	56 *	56 *	57 *	57 *	58 *	58 *
33.0	58 *	59 *	61 *	61 *	62 *	62 *	63 *	64 *	64 *	64 *
29.0	67 *	68 *	69 *	70 *	71 *	72 *	72 *	73 *	73 *	74 *
25.5	79 *	80 *	82 *	82 *	83 *	84 *	84 *	85 *	86 *	86 *
22.5	92 *	94 *	96 *	97 *	98 *	99 *	99 *	100 *	101 *	101 *
19.5	110 *	113 *	115 *	118 *	119 *	120 *	120 *	122 *	123 *	123 *
17.0	131 *	134 *	138 *	140 *	142 *	144 *	145 *	147 *	148 *	148 *
15.0	151 *	156 *	160 *	163 *	165 *	167 *	169 *	170 *	172 *	174 *
13.0	174 *	180 *	186 *	190 *	193 *	196 *	197 *	199 *	201 *	203 *
11.0	201 *	208 *	215 *	220 *	224 *	227 *	230 *	232 *	234 *	235 *
9.0	230 *	239 *	247 *	252 *	257 *	260 *	264 *	266 *	269 *	270 *
7.0	259 *	269 *	278 *	284 *	289 *	293 *	296 *	298 *	301 *	302 *
5.0	285 *	296 *	306 *	312 *	316 *	320 *	323 *	326 *	327 *	328 *
3.0	304 *	315 *	326 *	332 *	337 *	340 *	343 *	345 *	346 *	347 *
1.0	314 *	326 *	335 *	342 *	347 *	349 *	352 *	354 *	356 *	358 *
0.0	318 *	329 *	338 *	344 *	348 *	351 *	354 *	356 *	357 *	359 *
-1.0	314 *	326 *	335 *	342 *	347 *	349 *	352 *	354 *	356 *	358 *
-3.0	304 *	315 *	326 *	332 *	337 *	340 *	343 *	345 *	346 *	347 *
-5.0	285 *	296 *	306 *	312 *	316 *	320 *	323 *	326 *	327 *	328 *
-7.0	259 *	269 *	278 *	284 *	289 *	293 *	296 *	298 *	301 *	302 *
-9.0	230 *	239 *	247 *	252 *	257 *	260 *	264 *	266 *	269 *	270 *
-11.0	201 *	208 *	215 *	220 *	224 *	227 *	230 *	232 *	234 *	235 *
-13.0	174 *	180 *	186 *	190 *	193 *	196 *	197 *	199 *	201 *	203 *
-15.0	151 *	156 *	160 *	163 *	165 *	167 *	169 *	170 *	172 *	174 *
-17.0	131 *	134 *	138 *	140 *	142 *	144 *	145 *	147 *	148 *	148 *
-19.5	110 *	113 *	115 *	118 *	119 *	120 *	120 *	122 *	123 *	123 *
-22.5	92 *	94 *	96 *	97 *	98 *	99 *	99 *	100 *	101 *	101 *
-25.5	79 *	80 *	82 *	82 *	83 *	84 *	84 *	85 *	86 *	86 *
-29.0	67 *	68 *	69 *	70 *	71 *	72 *	72 *	73 *	73 *	74 *
-33.0	58 *	59 *	61 *	61 *	62 *	62 *	63 *	64 *	64 *	64 *
-37.5	51 *	53 *	54 *	55 *	56 *	56 *	57 *	57 *	58 *	58 *
-42.5	46 *	48 *	49 *	50 *	50 *	51 *	52 *	52 *	53 *	53 *
-47.5	42 *	43 *	45 *	46 *	47 *	47 *	48 *	49 *	50 *	50 *
-55.0	35	37 *	39 *	40 *	40 *	41 *	42 *	42 *	43 *	44 *
-65.0	23	25	26	27	28	29	30	30	31	31
-75.0	10	11	12	12	13	13	14	14	14	14
-85.0	0	0	0	0	0	0	0	0	0	0
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<u>-3.0</u>	<u>-1.0</u>	<u>0.0</u>	<u>1.0</u>	<u>3.0</u>	<u>5.0</u>	<u>7.0</u>	<u>9.0</u>	<u>11.0</u>	<u>13.0</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
75.0	14	15	15	15	14	14	14	14	14	13
65.0	31	31	31	31	31	31	31	30	30	29

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CANDELA TABULATION - (Cont.)

55.0	44 *	44 *	44 *	44 *	44 *	44 *	43 *	42 *	42 *	41 *
47.5	50 *	50 *	50 *	50 *	50 *	50 *	50 *	49 *	48 *	47 *
42.5	54 *	54 *	54 *	54 *	54 *	53 *	53 *	52 *	52 *	51 *
37.5	58 *	58 *	58 *	58 *	58 *	58 *	58 *	57 *	57 *	56 *
33.0	64 *	64 *	64 *	64 *	64 *	64 *	64 *	64 *	63 *	62 *
29.0	74 *	74 *	74 *	74 *	74 *	74 *	73 *	73 *	72 *	72 *
25.5	86 *	86 *	86 *	86 *	86 *	86 *	86 *	85 *	84 *	84 *
22.5	102 *	102 *	101 *	102 *	102 *	101 *	101 *	100 *	99 *	99 *
19.5	123 *	124 *	124 *	124 *	123 *	123 *	123 *	122 *	120 *	120 *
17.0	148 *	149 *	149 *	149 *	148 *	148 *	148 *	147 *	145 *	144 *
15.0	174 *	174 *	173 *	174 *	174 *	174 *	172 *	170 *	169 *	167 *
13.0	204 *	204 *	205 *	204 *	204 *	203 *	201 *	199 *	197 *	196 *
11.0	236 *	237 *	238 *	237 *	236 *	235 *	234 *	232 *	230 *	227 *
9.0	271 *	271 *	271 *	271 *	271 *	270 *	269 *	266 *	264 *	260 *
7.0	304 *	303 *	304 *	303 *	304 *	302 *	301 *	298 *	296 *	293 *
5.0	329 *	331 *	332 *	331 *	329 *	328 *	327 *	326 *	323 *	320 *
3.0	347 *	347 *	350 *	347 *	347 *	347 *	346 *	345 *	343 *	340 *
1.0	358 *	357 *	357 *	357 *	358 *	358 *	356 *	354 *	352 *	349 *
0.0	359 *	359 *	359 *	359 *	359 *	359 *	357 *	356 *	354 *	351 *
-1.0	358 *	357 *	357 *	357 *	358 *	358 *	356 *	354 *	352 *	349 *
-3.0	347 *	347 *	350 *	347 *	347 *	347 *	346 *	345 *	343 *	340 *
-5.0	329 *	331 *	332 *	331 *	329 *	328 *	327 *	326 *	323 *	320 *
-7.0	304 *	303 *	304 *	303 *	304 *	302 *	301 *	298 *	296 *	293 *
-9.0	271 *	271 *	271 *	271 *	271 *	270 *	269 *	266 *	264 *	260 *
-11.0	236 *	237 *	238 *	237 *	236 *	235 *	234 *	232 *	230 *	227 *
-13.0	204 *	204 *	205 *	204 *	204 *	203 *	201 *	199 *	197 *	196 *
-15.0	174 *	174 *	173 *	174 *	174 *	174 *	172 *	170 *	169 *	167 *
-17.0	148 *	149 *	149 *	149 *	148 *	148 *	148 *	147 *	145 *	144 *
-19.5	123 *	124 *	124 *	124 *	123 *	123 *	123 *	122 *	120 *	120 *
-22.5	102 *	102 *	101 *	102 *	102 *	101 *	101 *	100 *	99 *	99 *
-25.5	86 *	86 *	86 *	86 *	86 *	86 *	86 *	85 *	84 *	84 *
-29.0	74 *	74 *	74 *	74 *	74 *	74 *	73 *	73 *	72 *	72 *
-33.0	64 *	64 *	64 *	64 *	64 *	64 *	64 *	64 *	63 *	62 *
-37.5	58 *	58 *	58 *	58 *	58 *	58 *	58 *	57 *	57 *	56 *
-42.5	54 *	54 *	54 *	54 *	54 *	53 *	53 *	52 *	52 *	51 *
-47.5	50 *	50 *	50 *	50 *	50 *	50 *	50 *	49 *	48 *	47 *
-55.0	44 *	44 *	44 *	44 *	44 *	44 *	43 *	42 *	42 *	41 *
-65.0	31	31	31	31	31	31	31	30	30	29
-75.0	14	15	15	15	14	14	14	14	14	13
-85.0	0	0	0	0	0	0	0	0	0	0
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles
Angles

	<u>15.0</u>	<u>17.0</u>	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29.0</u>	<u>33.0</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
75.0	13	12	12	11	10	9	8	7	5	4
65.0	28	27	26	25	23	22	20	17	15	12
55.0	40 *	40 *	39 *	37 *	35	32	30	27	24	21
47.5	47 *	46 *	45 *	43 *	42 *	39 *	37 *	34	31	28
42.5	50 *	50 *	49 *	48 *	46 *	44 *	42 *	39 *	36 *	34
37.5	56 *	55 *	54 *	53 *	51 *	50 *	47 *	45 *	43 *	40 *
33.0	62 *	61 *	61 *	59 *	58 *	57 *	54 *	53 *	50 *	48 *
29.0	71 *	70 *	69 *	68 *	67 *	66 *	64 *	62 *	59 *	56 *
25.5	83 *	82 *	82 *	80 *	79 *	77 *	75 *	72 *	69 *	66 *

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CANDELA TABULATION - (Cont.)

22.5	98 *	97 *	96 *	94 *	92 *	90 *	87 *	84 *	81 *	75 *
19.5	119 *	118 *	115 *	113 *	110 *	108 *	104 *	100 *	94 *	87 *
17.0	142 *	140 *	138 *	134 *	131 *	127 *	121 *	115 *	108 *	97 *
15.0	165 *	163 *	160 *	156 *	151 *	145 *	139 *	130 *	120 *	107 *
13.0	193 *	190 *	186 *	180 *	174 *	167 *	157 *	147 *	133 *	116 *
11.0	224 *	220 *	215 *	208 *	201 *	191 *	179 *	165 *	147 *	126 *
9.0	257 *	252 *	247 *	239 *	230 *	218 *	203 *	185 *	161 *	135 *
7.0	289 *	284 *	278 *	269 *	259 *	245 *	227 *	203 *	174 *	144 *
5.0	316 *	312 *	306 *	296 *	285 *	269 *	247 *	220 *	187 *	151 *
3.0	337 *	332 *	326 *	315 *	304 *	288 *	265 *	233 *	195 *	156 *
1.0	347 *	342 *	335 *	326 *	314 *	297 *	273 *	241 *	200 *	159 *
0.0	348 *	344 *	338 *	329 *	318 *	300 *	276 *	244 *	203 *	160 *
-1.0	347 *	342 *	335 *	326 *	314 *	297 *	273 *	241 *	200 *	159 *
-3.0	337 *	332 *	326 *	315 *	304 *	288 *	265 *	233 *	195 *	156 *
-5.0	316 *	312 *	306 *	296 *	285 *	269 *	247 *	220 *	187 *	151 *
-7.0	289 *	284 *	278 *	269 *	259 *	245 *	227 *	203 *	174 *	144 *
-9.0	257 *	252 *	247 *	239 *	230 *	218 *	203 *	185 *	161 *	135 *
-11.0	224 *	220 *	215 *	208 *	201 *	191 *	179 *	165 *	147 *	126 *
-13.0	193 *	190 *	186 *	180 *	174 *	167 *	157 *	147 *	133 *	116 *
-15.0	165 *	163 *	160 *	156 *	151 *	145 *	139 *	130 *	120 *	107 *
-17.0	142 *	140 *	138 *	134 *	131 *	127 *	121 *	115 *	108 *	97 *
-19.5	119 *	118 *	115 *	113 *	110 *	108 *	104 *	100 *	94 *	87 *
-22.5	98 *	97 *	96 *	94 *	92 *	90 *	87 *	84 *	81 *	75 *
-25.5	83 *	82 *	82 *	80 *	79 *	77 *	75 *	72 *	69 *	66 *
-29.0	71 *	70 *	69 *	68 *	67 *	66 *	64 *	62 *	59 *	56 *
-33.0	62 *	61 *	61 *	59 *	58 *	57 *	54 *	53 *	50 *	48 *
-37.5	56 *	55 *	54 *	53 *	51 *	50 *	47 *	45 *	43 *	40 *
-42.5	50 *	50 *	49 *	48 *	46 *	44 *	42 *	39 *	36 *	34
-47.5	47 *	46 *	45 *	43 *	42 *	39 *	37 *	34	31	28
-55.0	40 *	40 *	39 *	37 *	35	32	30	27	24	21
-65.0	28	27	26	25	23	22	20	17	15	12
-75.0	13	12	12	11	10	9	8	7	5	4
-85.0	0	0	0	0	0	0	0	0	0	0
-90.0	0	0	0	0	0	0	0	0	0	0

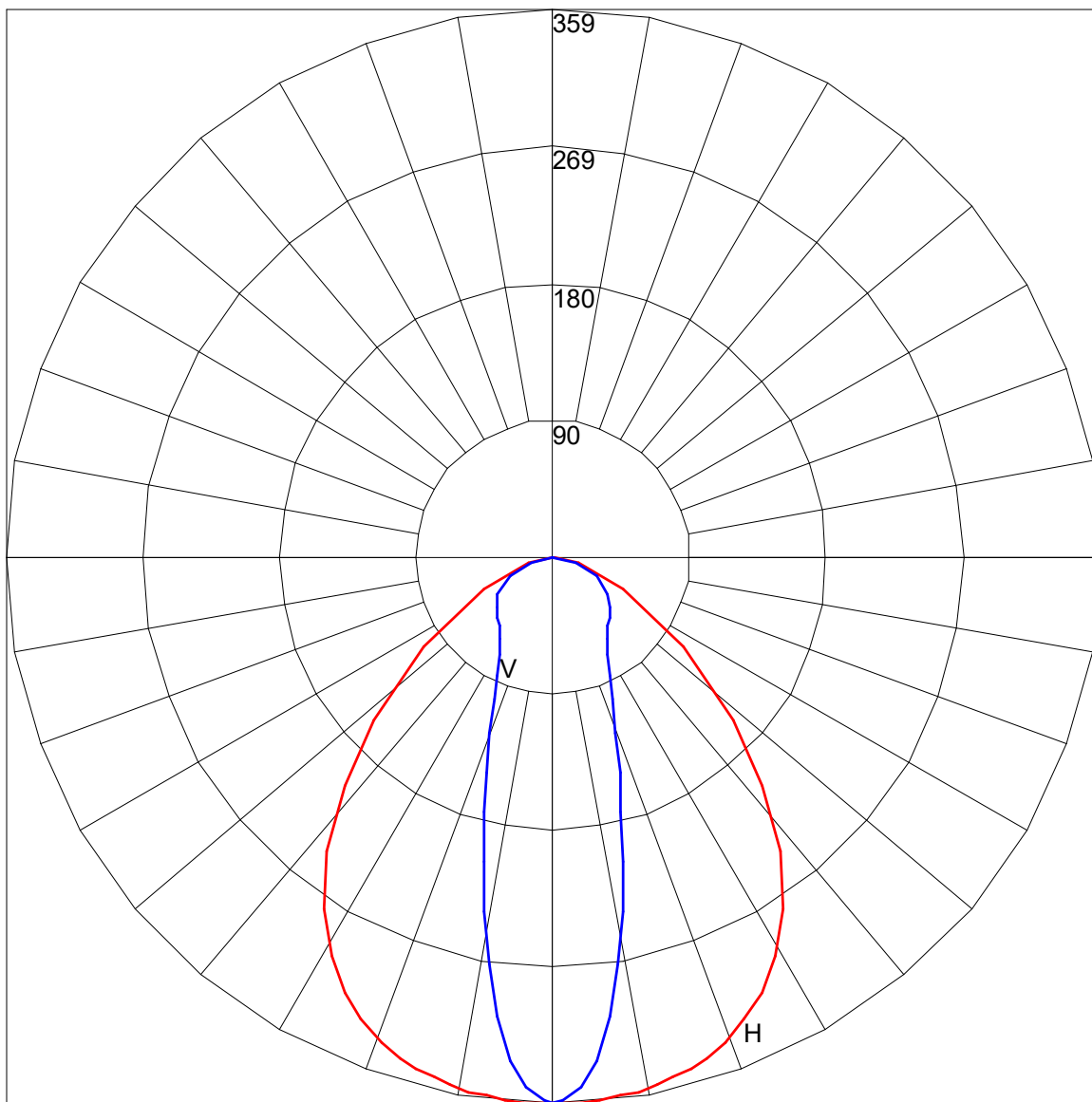
Vert. Angles	Horizontal Angles				
	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>	<u>90.0</u>
90.0	0	0	0	0	0
85.0	0	0	0	0	0
75.0	3	1	1	0	0
65.0	9	5	2	0	0
55.0	17	10	4	0	0
47.5	24	16	6	0	0
42.5	29	20	8	0	0
37.5	35	24	9	1	0
33.0	42 *	28	10	1	0
29.0	49 *	32	12	1	0
25.5	56 *	35	13	1	0
22.5	63 *	38 *	14	1	0
19.5	70 *	40 *	14	1	0
17.0	76 *	42 *	15	1	0
15.0	81 *	44 *	15	1	0
13.0	86 *	46 *	15	1	0
11.0	90 *	47 *	16	1	0
9.0	94 *	48 *	16	1	0

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CANDELA TABULATION - (Cont.)

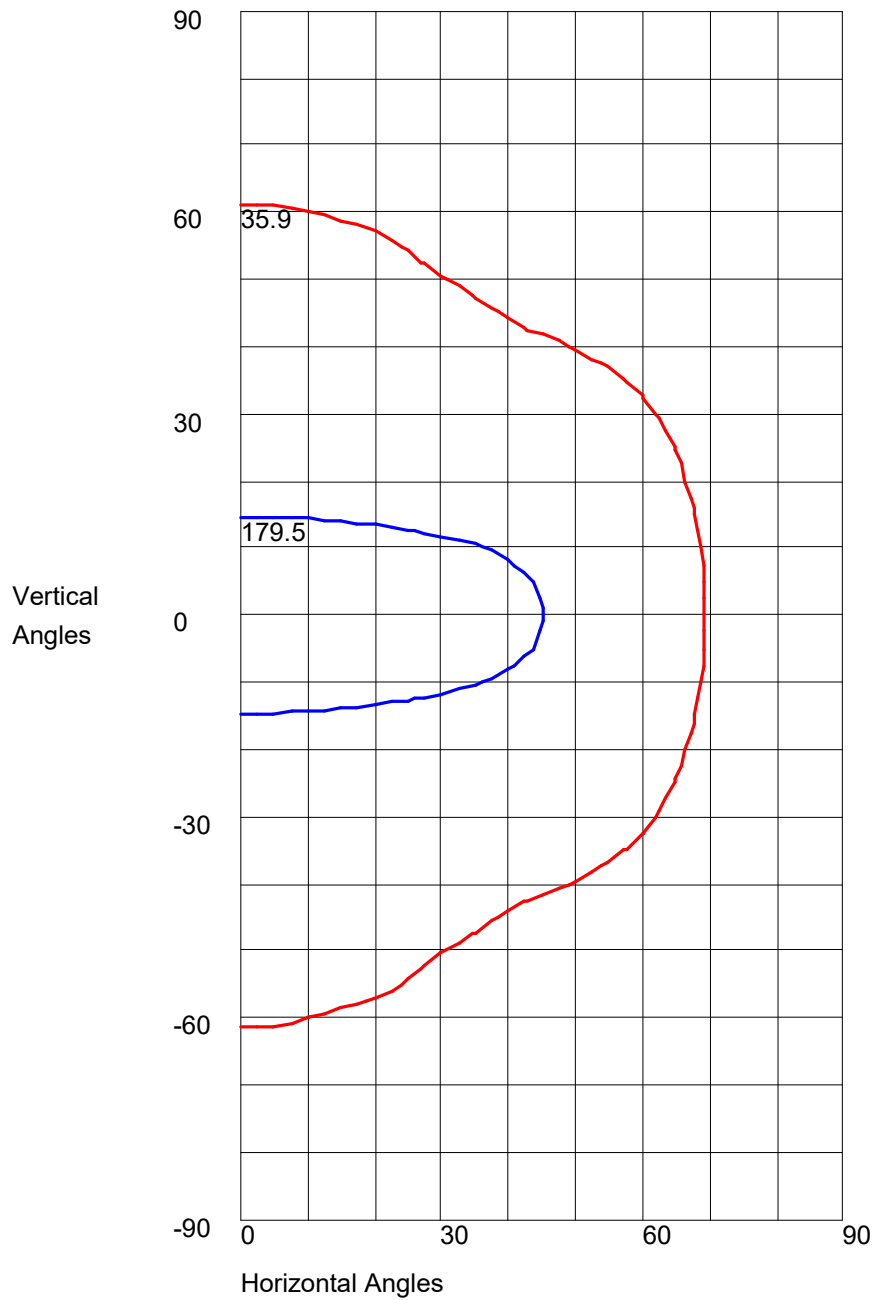
7.0	98 *	49 *	16	1	0
5.0	100 *	49 *	17	1	0
3.0	102 *	50 *	17	1	0
1.0	103 *	50 *	17	1	0
0.0	104 *	50 *	17	1	0
-1.0	103 *	50 *	17	1	0
-3.0	102 *	50 *	17	1	0
-5.0	100 *	49 *	17	1	0
-7.0	98 *	49 *	16	1	0
-9.0	94 *	48 *	16	1	0
-11.0	90 *	47 *	16	1	0
-13.0	86 *	46 *	15	1	0
-15.0	81 *	44 *	15	1	0
-17.0	76 *	42 *	15	1	0
-19.5	70 *	40 *	14	1	0
-22.5	63 *	38 *	14	1	0
-25.5	56 *	35	13	1	0
-29.0	49 *	32	12	1	0
-33.0	42 *	28	10	1	0
-37.5	35	24	9	1	0
-42.5	29	20	8	0	0
-47.5	24	16	6	0	0
-55.0	17	10	4	0	0
-65.0	9	5	2	0	0
-75.0	3	1	1	0	0
-85.0	0	0	0	0	0
-90.0	0	0	0	0	0

AXIAL CANDELA DISPLAY



Maximum Candela = 359 Located At Horizontal Angle = -5, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 359 Located At Horizontal Angle = -5, Vertical Angle = 0
50% Maximum Candela = 179.5
10% Maximum Candela = 35.9